INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2004/001696

A. CLASSIFICATION OF SUBJECT MATTER						
IPC7 G11B 7/085						
According to International Patent Classification (IPC) or to both national classification and IPC						
	OS SEARCHED					
	mentation searched (classification system followed by c G11B 7/00 G11B 21/08	lassification symbols)				
G11B 7/065	G11B //00 G11B 21/08					
Documentation	searched other than minimum documentation to the ex	ent that such documents are	included in the fields searched			
	a base consulted during the intertnational search (name of centricity, pickup, position, track, jump, RF, servo, driv		cable, search terms used)			
WPI, PAU '60	ceentricity, pickup, position, track, jump, kr, servo, urv	er, reference, lange				
C POOLD	ANUTO CONCENTRATO TO DE PER PIANT					
C. DOCUM	MENTS CONSIDERED TO BE RELEVANT	· · · · · · · · · · · · · · · · · · ·				
Category*	Citation of document, with indication, where appr	opriate, of the relevant passa	ges Relevant to claim N			
A	JP 05-325210 (PIONEER ELECTRONIC CORP) 10	Dec. 1993	1, 4			
ļ	See the whole document					
A	US 5,297,131 (SONY CORPORATION) 22 Mar. 20	02	1, 4			
'	See the whole document					
A	US 5,121,370 (FUJITSU LIMITED) 09 Jun. 1992		1, 4			
	See the whole document					
Λ	US 4,985,882 (FUJITSU LIMITED) 15 Jan. 1991		1, 4			
	See the whole document					
A	US 5,621,709 (PIONEER ELECTRONIC CORP) 15	5 Apr. 1997	1, 4			
	See the whole document					
Further	r documents are listed in the continuation of Box C.	See patent fam	ily annex.			
	ategories of cited documents: t defining the general state of the art which is not considered		d after the international filing date or priori			
to be of p	to be of particular relevance the principle or theory underlying the invention					
filing date	"E" earlier application or patent but published on or after the international filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive					
special reason (as specified) considered to involve an inventive step when the			n inventive step when the document is			
means	means being obvious to a person skilled in the art					
	"P" document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed					
Date of the ac	ctual completion of the international search	Date of mailing of the inter	mational search report			
26 OCTOBER 2004 (26.10.2004) 27 OCTOBER 2004 (27.10.			ER 2004 (27.10.2004)			
Name and m	alling address of the ISA/KR	Authorized officer				
	Korean Intellectual Property Office	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(3) 0.			
	920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea	KIM, Yong Woong	(6%)			
Facsimile No	o. 82-42-472-7140	Telephone No. 82-42-48	1-5698			

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Artcle 36 and Rule 70)

REC'D 0 2 DEC 2005

WIPO PCT

Applicant's or agent's file referen	FOR FURTHER ACTIO	N	See Form PCT/IPEA/416					
International application No. PCT/KR2004/00169	International filing date(day/ 09 JULY 2004 (09.07.		Priority date (day/month/year, 15 JULY 2003 (15.07.2003)	1				
International Patent Classification (IPC) or national classification and IPC								
IPC7 G11B 7/085								
Applicant								
SAMSUNG ELECTRO	NICS CO., LTD. et al							
This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.								
2. This REPORT consists of	a total of 3 sheets, in	cluding this cover sl	neet.					
3. This report is also accom	panied by ANNEXES, comprising:	a total of	sheets, as follows:					
sheets of	a. (sent to the applicant and to the International Bureau) a total ofsheets, as follows: sheets of the description, claims and/or drawings which have been amended and are the basis for this report							
and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).								
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the								
Supplem	ental Box.							
containing a se	rnational Bureau only) a total of (indquence listing and/or tables related th	ereto, in computer re	eadable form only, as indicated	in the				
Supplemental I	Box relating to Sequence Listing (see	Section 802 of the A	Administrative Instructions).					
4. This report contains indi	cations relating to the following item	s:						
1 '	sis of the report							
, ,	iority							
	on-establishment of opinion with reg	ard to novelty, inver	tive step and industrial applica	bility				
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
Box No. VI Certain documents cited								
Box No. VII Certain defects in the international application								
Box No. VIII Certain observations on the international application								
Date of submission of the der	namd	Date of completion	of this report					
01 FEBRUARY 2005 (01.02.2005)		22 NOVEMBER 2005 (22.11.2005)						
Name and mailing address of	f the IPEA/KR	Authorized officer		(ESIRE)				
V orean Intellect	ual Property Office	SONG, Jin S	Suk					
Facsimile No. 82-42-472-7		Telephone No. 8	2-42-481-5694	To James To				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/KR2004/001696

Box No. 1	Basis of the report
1. With	regard to the language, this report is based on the international application in the language in which it was filed, unless wise indicated under this item.
	This report is based on translations from the original language into the following language
	which is the language of a translation furnished for the purposes of:
	international search (under Rules 12.3 and 23.1(b))
	publication of the international application (under Rule 12.4)
-	international preliminary examination (under Rules 55.2 and/or 55.3)
to the annex	regard to the elements of the international application, this report is based on (replacement sheets which have been furnished receiving Office in response to an invitation under Article 14 are referred to in this reort as "originally filed" and are not ed to this report): the international application as originally filed/furnished
	the description: as originally filed/furnished
	pages
	pages* received by this Authority on pages* received by this Authority on pages*
	hages
	the claims:
	pagesas originally filed/furnished as amended (together with any statment) under Article 19
	pages* as amended (together with any statment) under Article 19 pages* received by this Authority on
	pages* received by this Authority on
	pages* received by distributing the
П	the drawings:
	pagesas originally filed/furnished
}	pages* received by this Authority on pages* received by this Authority on
3.	the sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing. The amendments have resulted in the cancellation of: the description, pages the claims, Nos. the drawings, sheets the sequence listing (specify): any table(s) related to sequence listing (specify):
4.	This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)). the description, pages the claims, Nos. the drawings, sheets the sequence listing (specify): any table(s) related to sequence listing (specify):
* If i	tem 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/KR2004/001696

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims	1-5	YES
		Claims		NO
	Inventive step (IS)	Claims	1-5	YES
		Claims		NO
	Industrial applicability (IA)	Claims	1-5	
		Claims		No

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

D1: JP 05-325210 (PIONEER ELECTRONIC CORP) 10 Dec. 1993

D2: US 5297131A (SONY CORP.)22 MARCHJ 1994

1. Novelty and Inventive Step

The subject matter of claims 1-5 of the present invention is a track jump apparatus and method which perform track jumping in consideration of the position of a pickup and the position of a lens of the pickup in an optical recording medium and system with eccentricity are provided.

D1and D2is the most relevant state of the arts of the present inventions.

D1 discloses a method of performing a stable jump without being affected by the eccentricity of an optical disk by varying either one of the time width or the wave height value of a brake pulse in accordance with the time till a zero crossing of tracking error signals which correspond to the amount of the disk eccentricity.

D2 discloses a eccentricenticy detection and compensation of a dsk by a preformatted encoding pattern. An area for recording preformatted is provided a rewritable disk in order to obtain information of an eccentricity provided when the disk is chuckled.

However D1 does not inclde servo which judges a position of he pickup from the error signal output from RF processing unit when a track jump is performed and outputs a track jump start/end control signal for the pickup, which gives clear indication of an improvement on a track access control system.

Therefore, the subject matter of the claim 1-5 of the present invention seems to be novel, and cannot be considered of combination nventive step(PCT Article 33(2)-(3)).

2. Industrial Applicability

Claims 1-5 of the present invention meet the criteria set out in PCT Article 33(4) because they are directed to a track jump apparatus and method in an optical recording medium and system. Therefore, the subject matter of claims 1-5 is considered to be industrially applicable.